

## FIGURES

AC CCACCTTCCCA CTTCTCCAAAT TCTTCTCTCC GCTTCCCAAATCCCA CCGCAAAASAAA 50  
AC TCAAACTCCA GAAGTAACAG AAAGAGCG CACAATTTCATCTATTTCAGGGGTTTCTTGGC 120  
ATTTTTTCATCGT TGTACCAATG GAGTTCCGCAATCCAAAGCACCTGAGA GCTCTACCCAAAA 180  
N E F A N O A F E E E T O K  
AAATTTTCCAAAGGCAAAATTC GAGATTAAGG CCAATC GAAATACAGA CCAATTCGCAAAAG 240  
K D G R G N I E I E I E N E E E O V  
CAGCTTCTGCAAGCGCCCAAG GATTCGCTTAAGAAAGCCTATGATTTCTCTCTCTCTCTG 300  
T F C E R E N S L L K K A E E L S V L C  
TCTCTCTCAAGTTCTCTTTATC GTCTCTCTCCA GCGCTGGCGCGCGCTCTATGAGTATCCCAA 360  
E A E V A L I V E S E E S E L E E E A H  
CAGCAGCTTTTACCAACCAATC GACCTCTTCAAAAAGCAGTCGCTCTCATCTACGGACCG 420  
N E V R A T I I D R E N K A C A P S H E G <-domc  
CCCAATTCGCAAGGCAAGGCAAGGCAAGGCAAGGCAAGGCAAGGCAAGGCAAGGCAAGGCAAG 480  
D S V S R A N T O F V O C E R A M K T H R  
ACAGATCCGAGCAATTTCAGATTCAGACAGGCAATATCTCTGGCGCAATCCCTTAGCAGCTT 540  
Q I P E I C N S N R H I L S E L S F L  
GAAAGTCAAGGCACTGCAAAACCTAGAGGGA GATTTCAGCAAGGCAATCAGCAGATTAAG 600  
K V E E L E N L E G R L E E C E S R I R  
ATCCAAAAAGATGAAATCCTCTTTTCTGAAATCGAATTCTTGCAAAAGAGGAGAGACTGA 660  
S K E N E I E F E E E E E F N Q V R E F R  
GTTCGACACGRCACCAATTTCTGAGAGCAAGATAGCTGAAAGCGAGAGGAGAAAGCA 720  
E Q H E N N R E R A E I A E S E R E Q Q  
GCAGCAGCAAAACATATGATTCGCGGAACTTCCCTTCGAGTCCGATCCCTGATGCTTGGATTC 780  
Q Q Q T E M I P Q T E E D R S M P S F S  
GTATGATAGGAACTTCTTCT 840  
V D P N F E E V I L E S N N H H Y P R Q  
AAGCAGACAGCTCTTCCAACTTCTCTTCAAAATCTGCACTGCGCGCTCTGATGTTCTCTCTAC 900  
Q Q E A L O E V  
CATATTTCTGCAAGCTCTCTCTCTCA TAAATCTATGACAAATCTGCAAGCTCTCTCTCTCTCT 960  
TATCCGACAAAGCACT 1020  
AATCTCTCTGATACAT 1080

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FIG. 2

GCAATTCTTCCTTCCCGTTGCCAAGTGCAACCCCAATAGAAAACTCAAAGTCAAGAAGT 60  
 AGCTAACAGAGAAAACCAATTCATCAATTTGGAGGGGTTTTTGCCATTTTTCATCCTT 120  
 GCAACAATGGAGTTCCCAATCAAGCACCCGAGAGCTCCTCCAGAAAAAATTGGGAAGG 180  
 M E F P N Q A P E S S S Q K K L G R MAD5-BOX  
 GGCAAAATTGAGATTAAGCGGATCGAAAACACTACAAATCGACAAGTTACCTTCTGCAAA 240  
G K I E I K R I E N T T N R Q V T F C K  
 CGCCGCAACGGATTGCTTAAGAAAGCCTATGAATTGTCTGTTCTTTGTGATGCTGAAGTT 300  
R R N G L L K K A Y E L S V L C D A E V  
 GCTCTTATCGTGTCTCCAACCGTGGCCGCCTCTATGAGTATGCTAACAAACAGTGTTAGA 360  
A L I V F S N R G R L Y E Y A N N S V R  
 GCAACAATCGACAGGTACAAAAAGCATACGCTGATCCTACGAACAGTGGATCTGTTTCA 420  
 A T I D R Y K K A Y A D P T N S G S V S K-domain  
 GAAGCCAACACTCAGTTTTATCAGCAGGAAGCATCCAACTGCGAAGACAGATCCGAGAA 480  
E A N T Q F Y Q Q E A S K L R R Q I R E  
 ATTCAGAATTCAAACAGGCATATAC TGGGTGAAGCTCTTAGCTCCTTGAACGCCAAGGAA 540  
I Q N S N R H I L G E A L S S L N A K E  
 CTGAAGAACCCTAGAAGGAAGATTGGAGAAAAGGAATCAGCAGAATAAGATCCAAAAGAAT 600  
L K N L E G R L E K G I S R I R S K K N  
 GAAATGCTGTTTTCTGAATTCGAATTCATGCAAAAAGGGAGACCGAGCTGCAACACCAC 660  
E M L F S E I E F M Q K R E T E L Q H H  
 AACAAATTTCTGAGAGCAAAGATAGCTGAAAACGAGAGGGAAGAGCAGCAGCATACACAC 720  
N N F L R A K I A E N E R E E Q Q H T H  
 ATGATGCCGGGAACCTCCTACGATCAGTCAATGCCCTTCGCATTCTTATGACAGGAACCTC 780  
 M M P G T S Y D Q S M P S H S Y D R N F  
 CTCCCAGCGGTGATCTTGGAGTCCAACAATAACCATTACCCTCACCAAGTCCAGACAGCT 840  
 L P A V I L E S N N N H Y P H Q V Q T A  
 CTCCAACCTGTTTGAAATGCTGGACTGCCGTCTGAT 876  
 L Q L V .

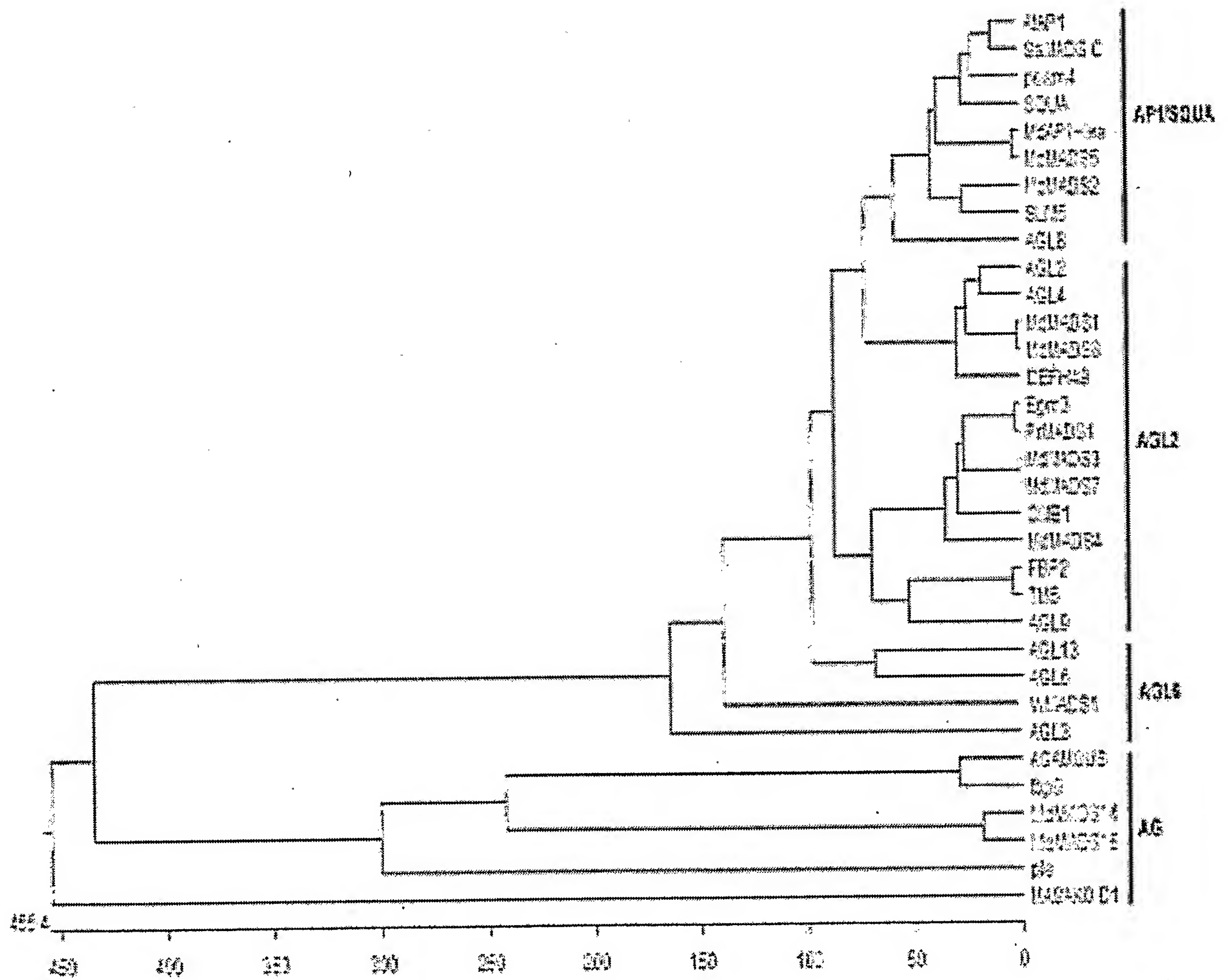
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FIG. 3

1	M E F A N Q A P E S S T Q K K L G R G K I E I K R I E N T T	MdMADS14
1	M E F F N Q A P E S S S Q K K L G R G K I E I K R I E N T T	MdMADS16
31	N R Q V T F C K R R N G L L K K A Y E L S V L C D A E V A L	MdMADS14
31	N R Q V T F C K R R N G L L K K A Y E L S V L C D A E V A L	MdMADS16
61	I V F S T R G R L Y E Y A N N S V R A T I D R Y K K A C A D	MdMADS14
61	I V F S N R G R L Y E Y A N N S V R A T I D R Y K K A Y A D	MdMADS16
91	S T D G G S V S E A N T Q F Y Q Q E A S K L R R Q I R E I Q	MdMADS14
91	P T N S G S V S E A N T Q F Y Q Q E A S K L R R Q I R E I Q	MdMADS16
121	N S N R H I L G E S L S T L K V K E L K N L E G R L E K G I	MdMADS14
121	N S N R H I L G E A L S S L N A K E L K N L E G R L E K G I	MdMADS16
151	S R I R S K K N E I L F S E I E F M Q K R E T E L Q H H N N	MdMADS14
151	S R I R S K K N E M L F S E I E F M Q K R E T E L Q H H N N	MdMADS16
181	F L R A K I A E S E R E Q Q Q Q Q T H M I P G T S Y D P S M	MdMADS14
181	F L R A K I A E W E R E E Q Q H - T H M M P G T S Y D Q S M	MdMADS16
211	P S N S Y D R N F F P - V I L E S N N N H Y P R Q G Q T A L	MdMADS14
210	P S H S Y D R N F L P A V I L E S N N N H Y P H Q V Q T A L	MdMADS16
240	Q L V (100%)	MdMADS14
240	Q L V (88.4%)	MdMADS16

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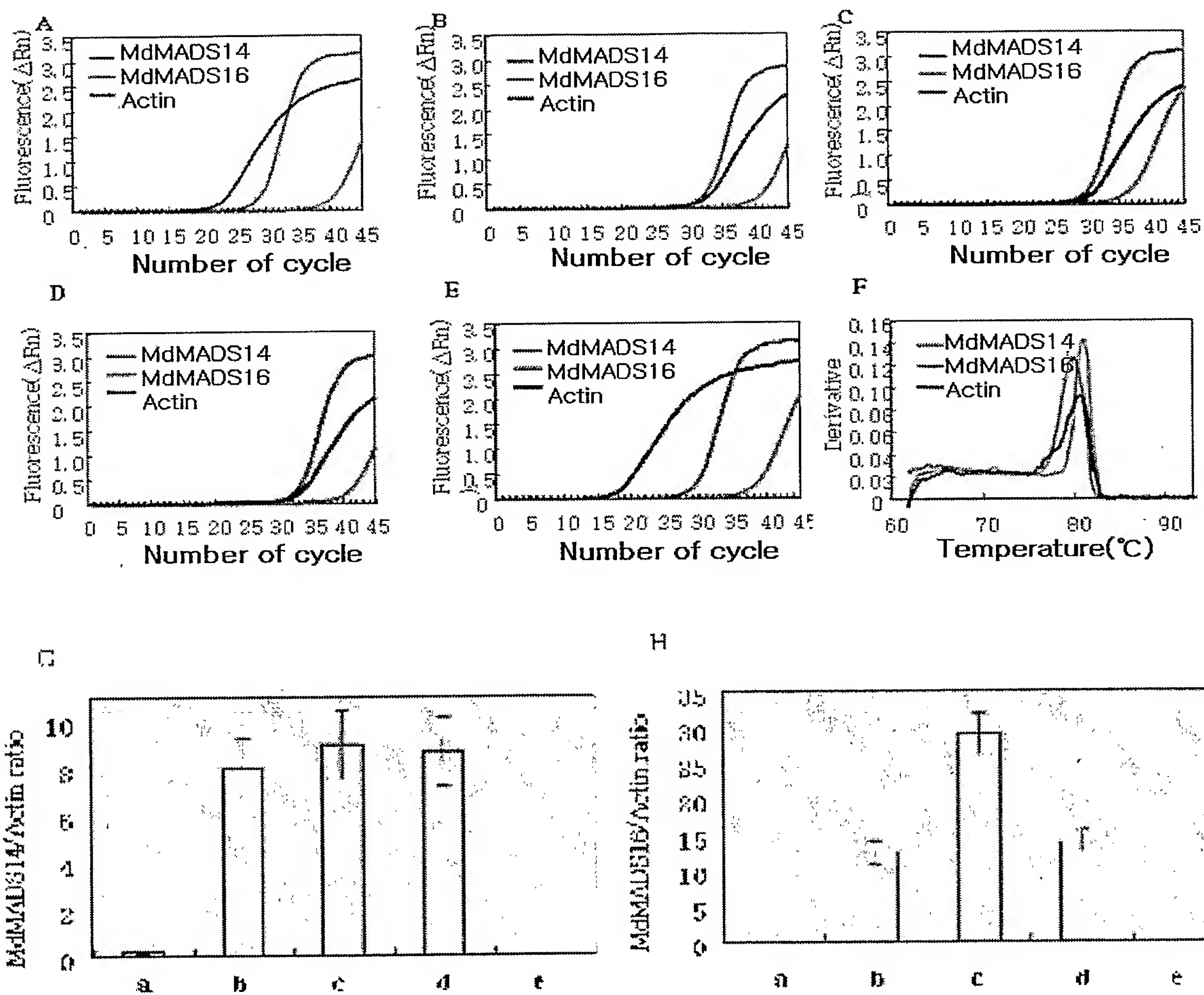
FIG. 4





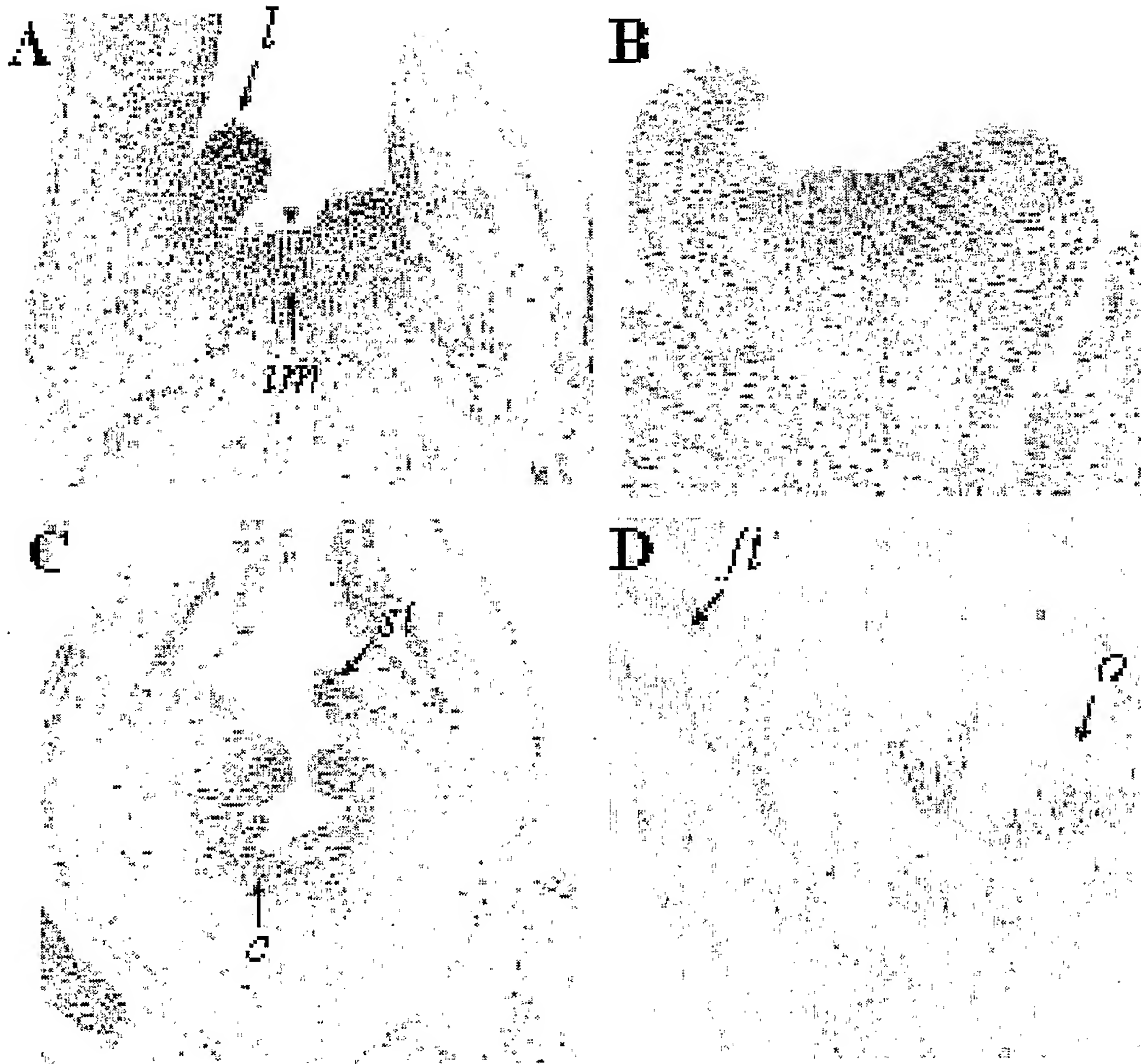
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FIG. 5



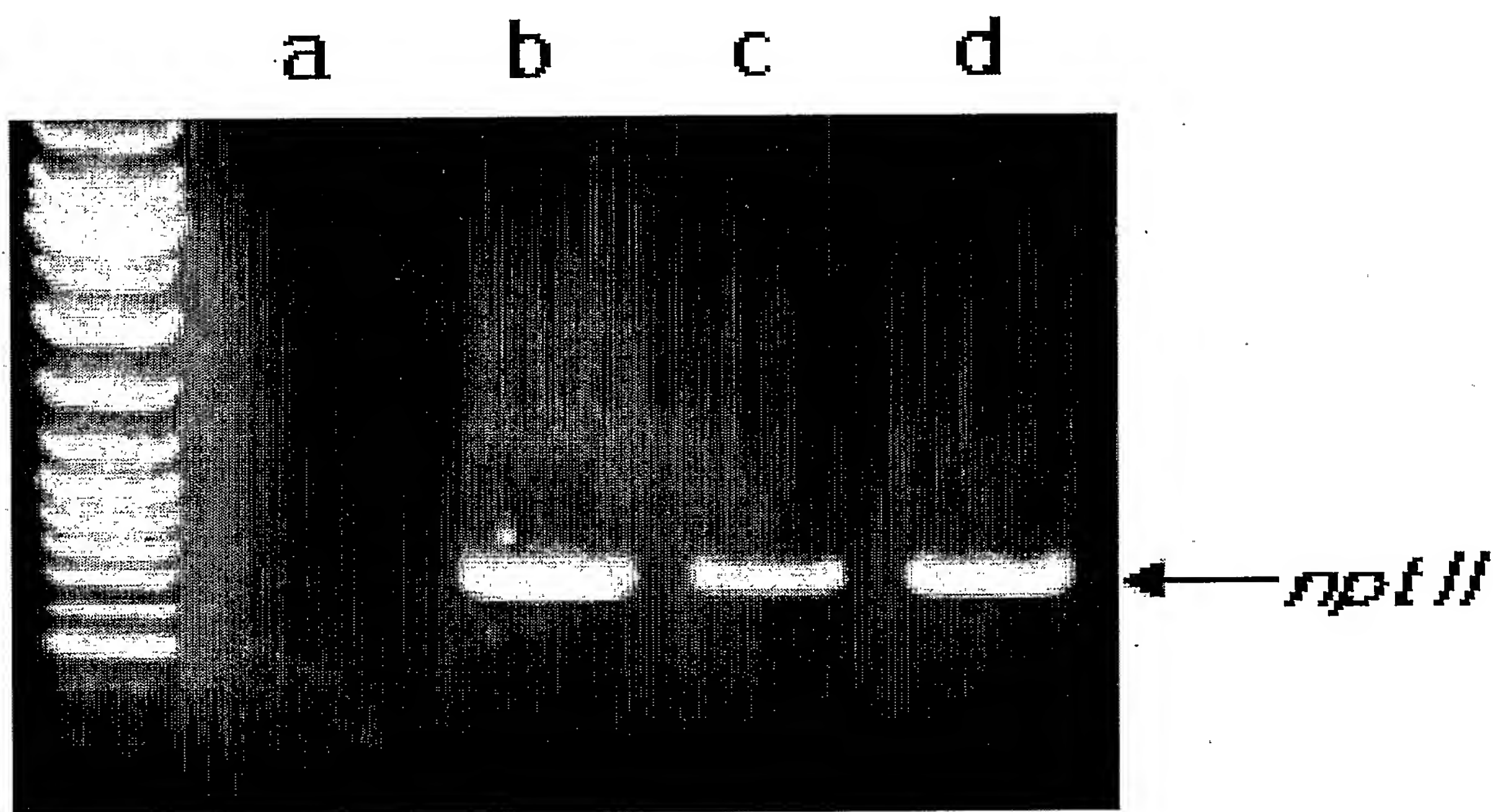
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FIG. 6



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FIG. 7

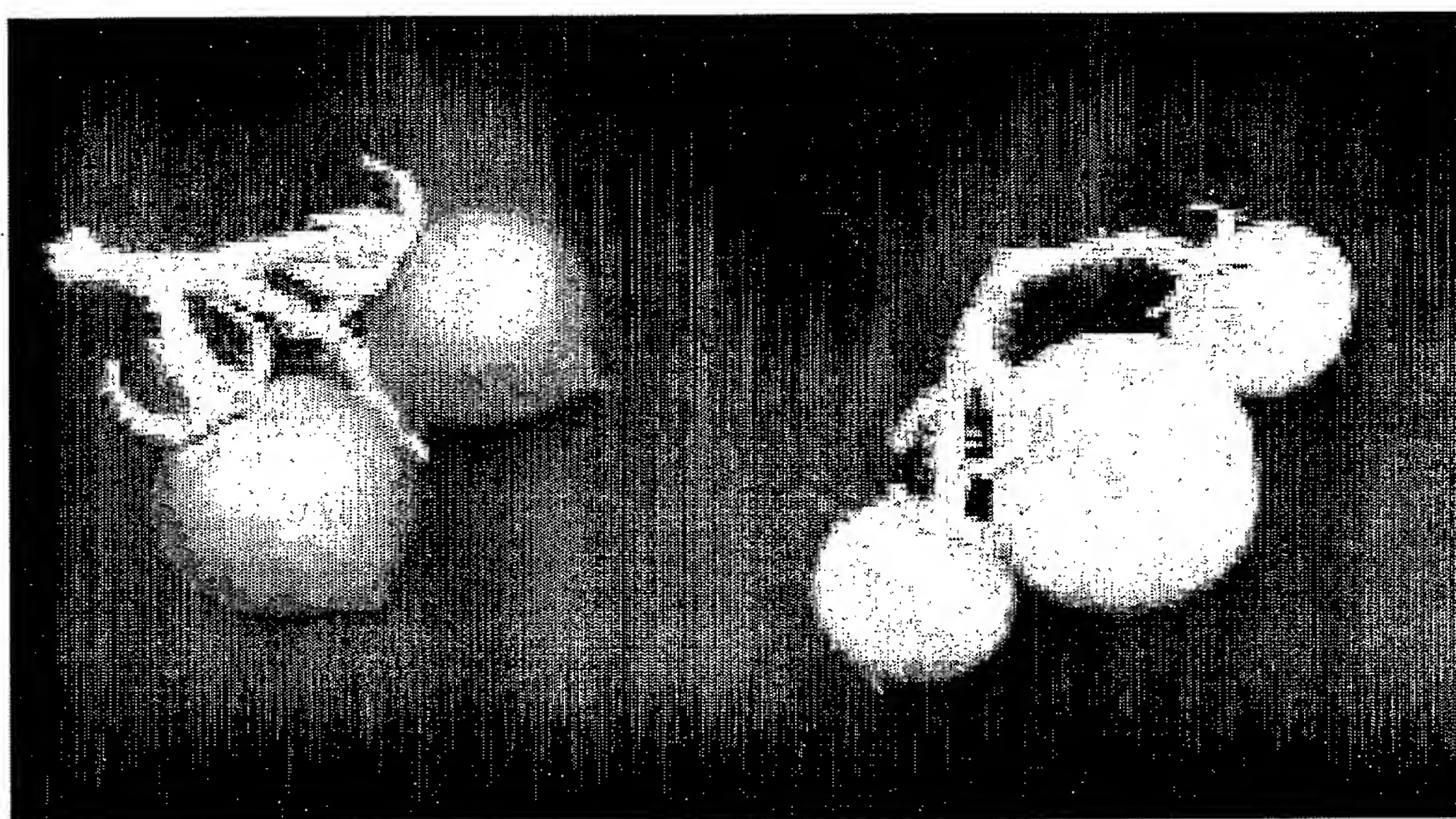


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FIG. 8

Wild type

MdMADS14  
Sense 1





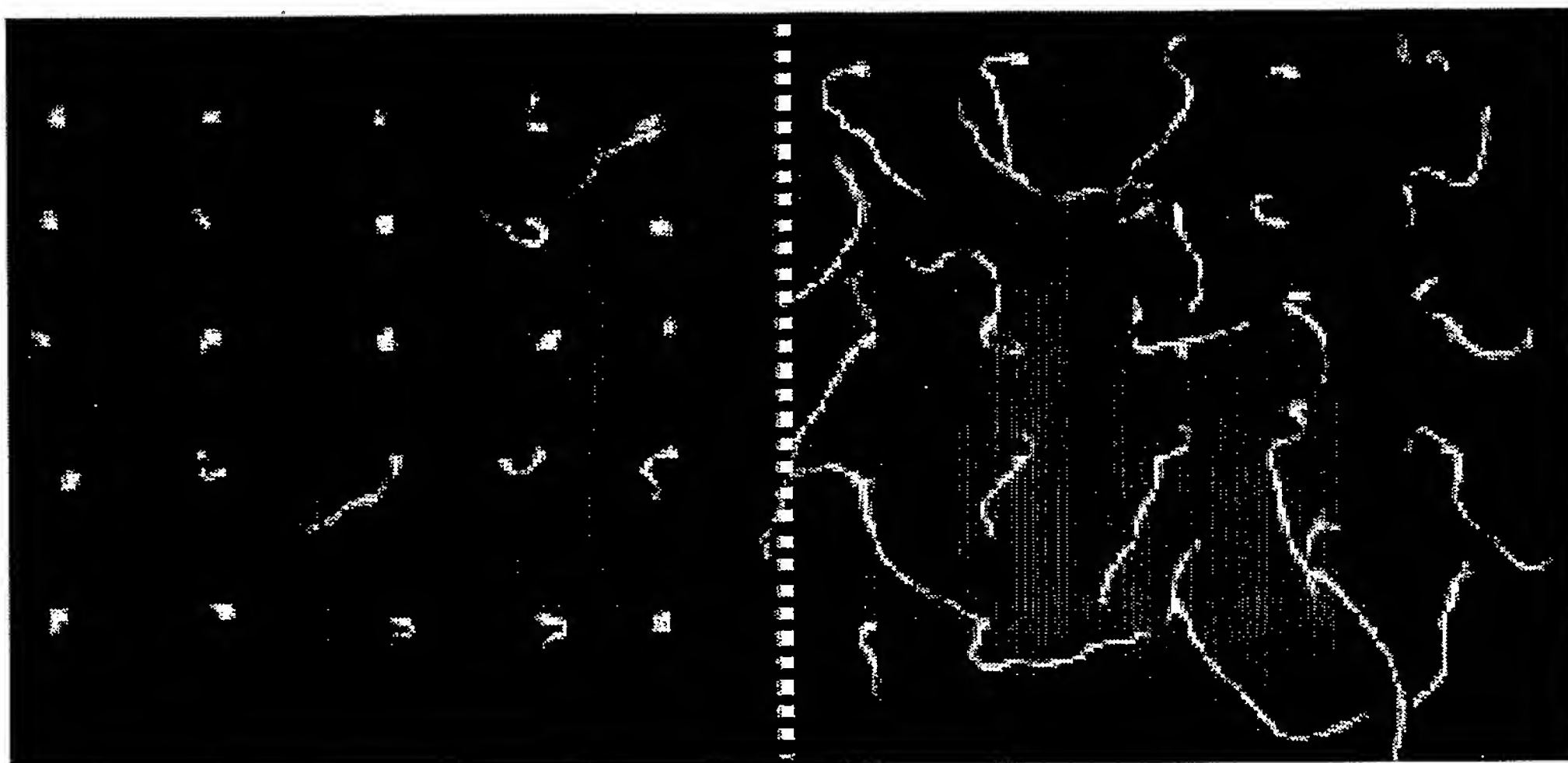
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FIG. 9

Wild type

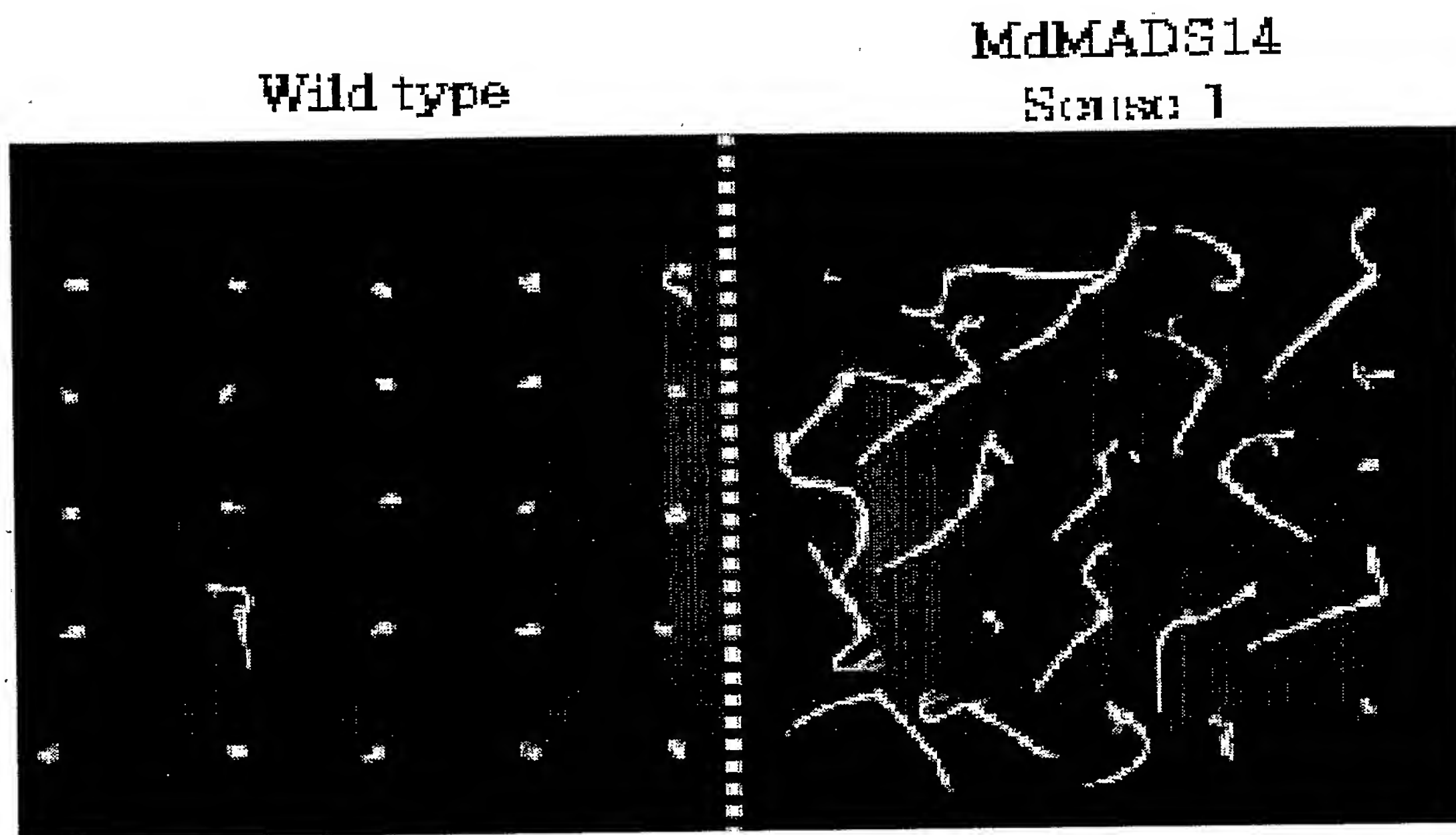
MdMADS14

Sense 1



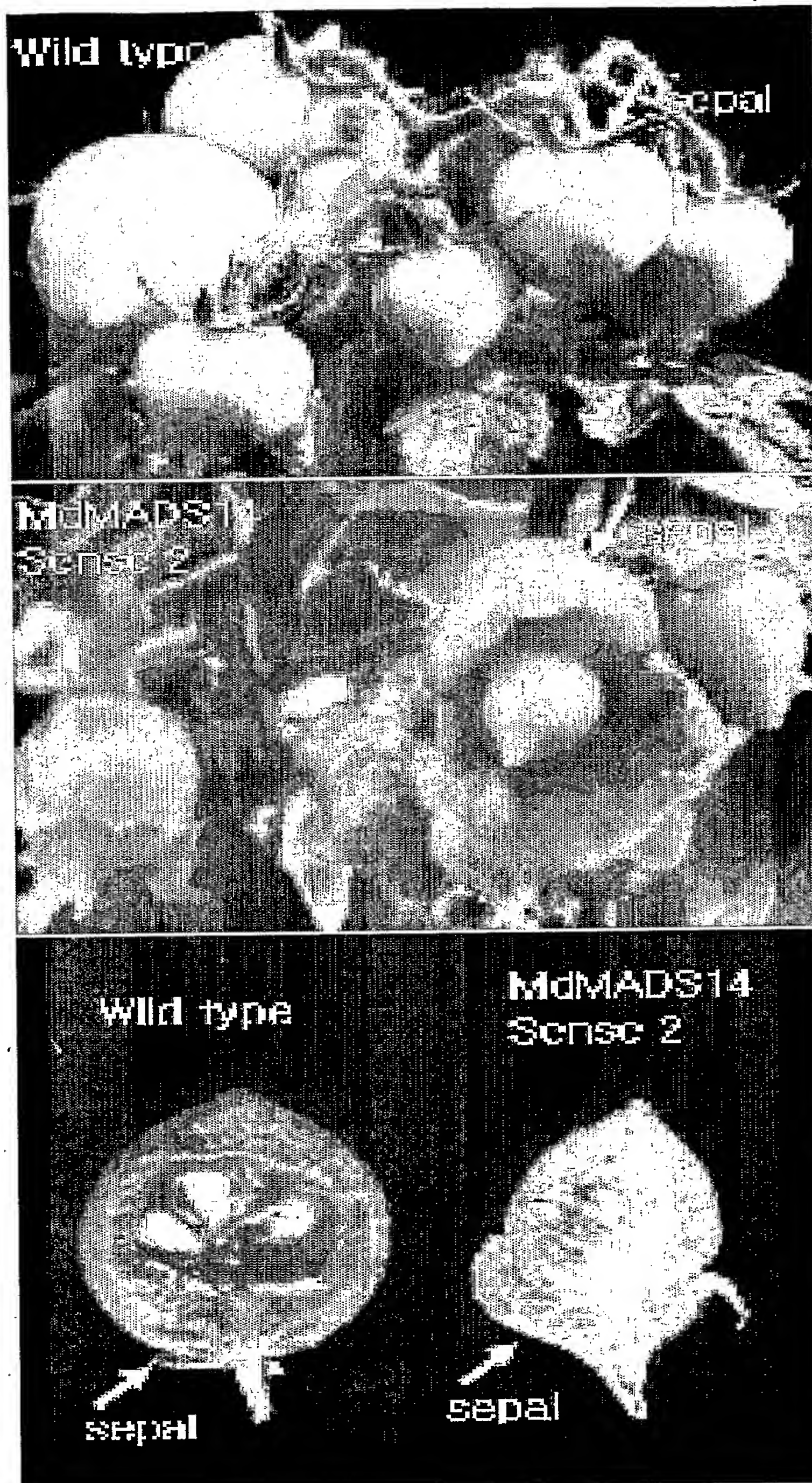
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FIG. 10



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FIG. 11





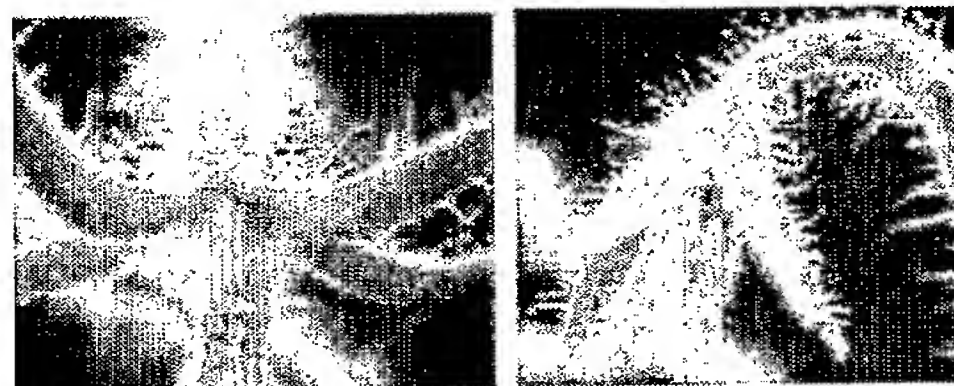
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FIG. 12

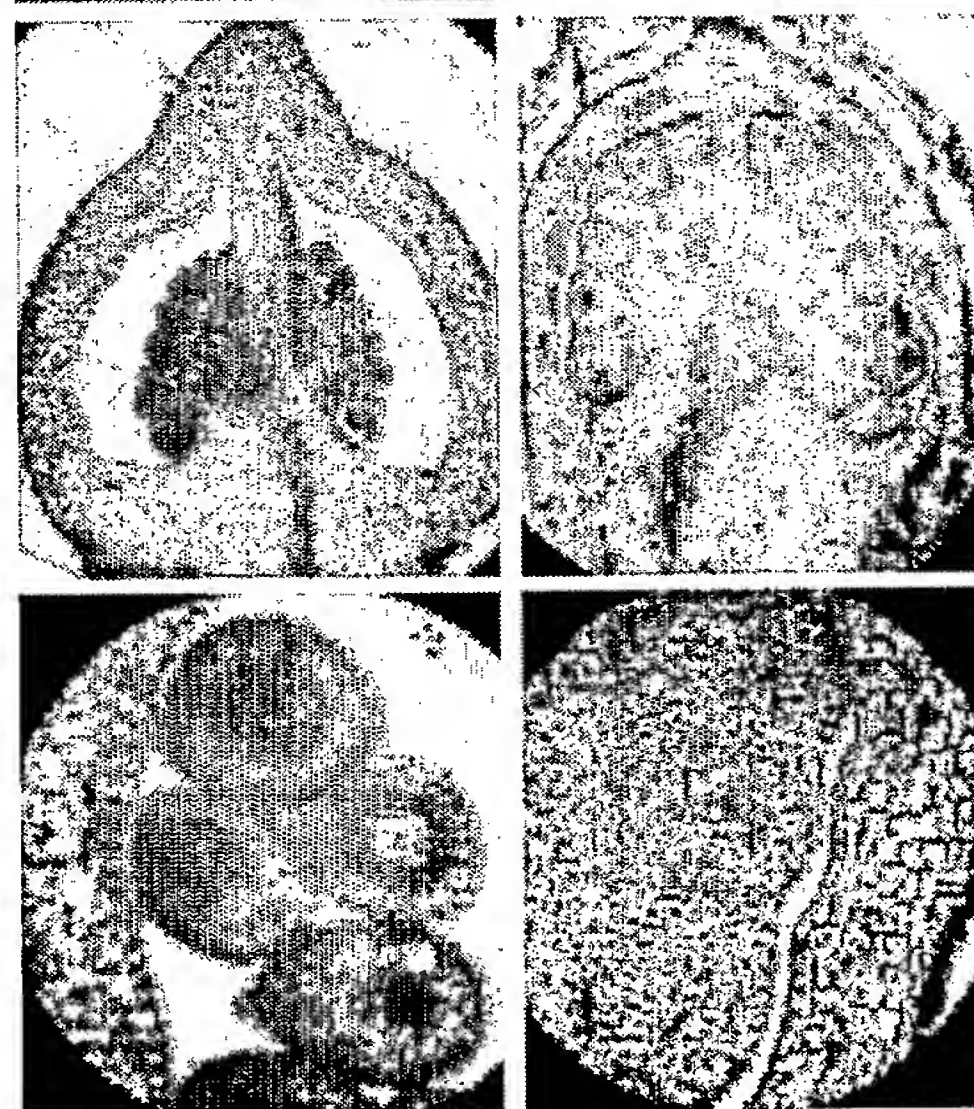
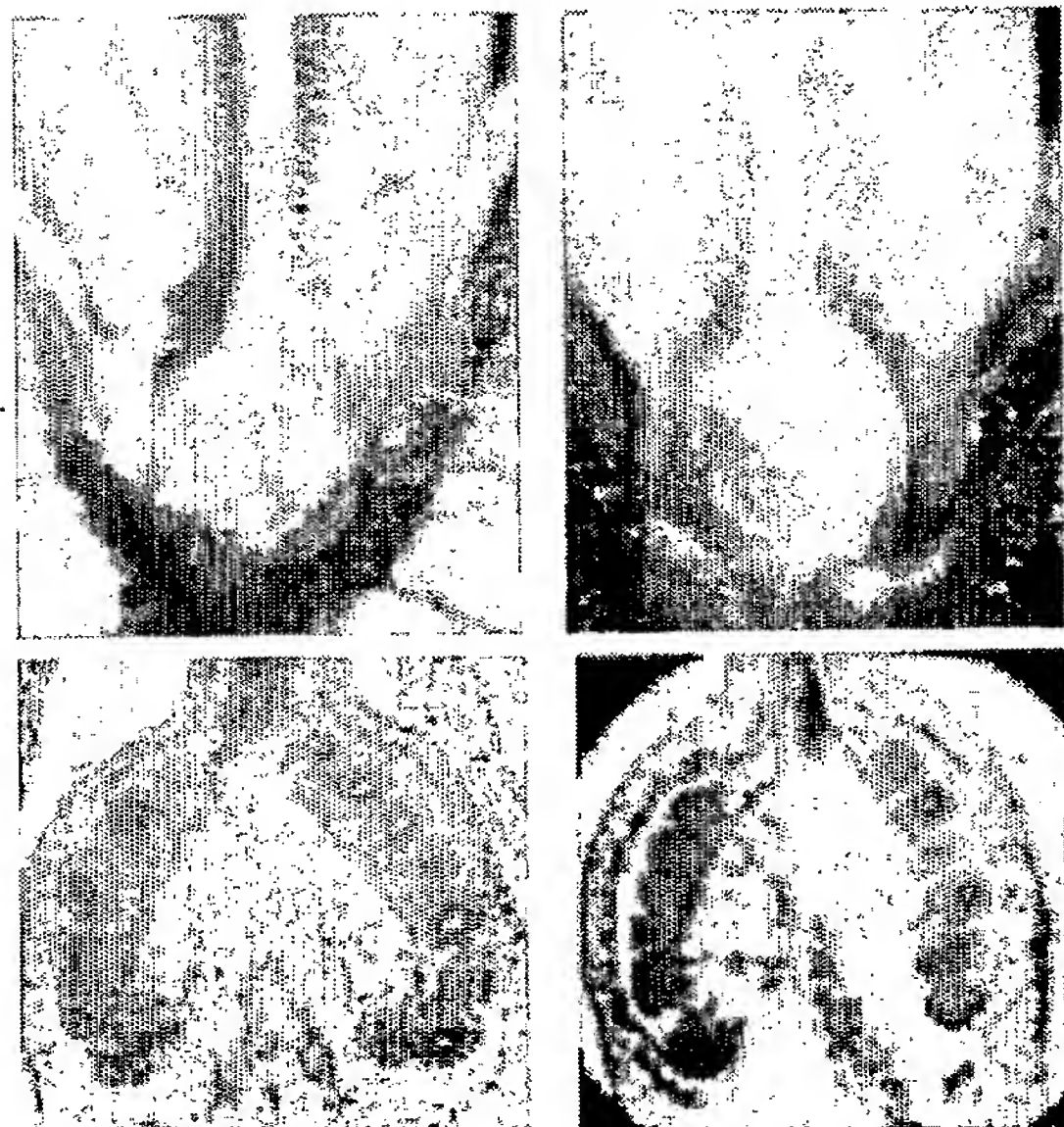
(a)  
Wild type      MdMADS14  
Anti-sense



(c)  
Wild type      MdMADS14  
Anti-sense



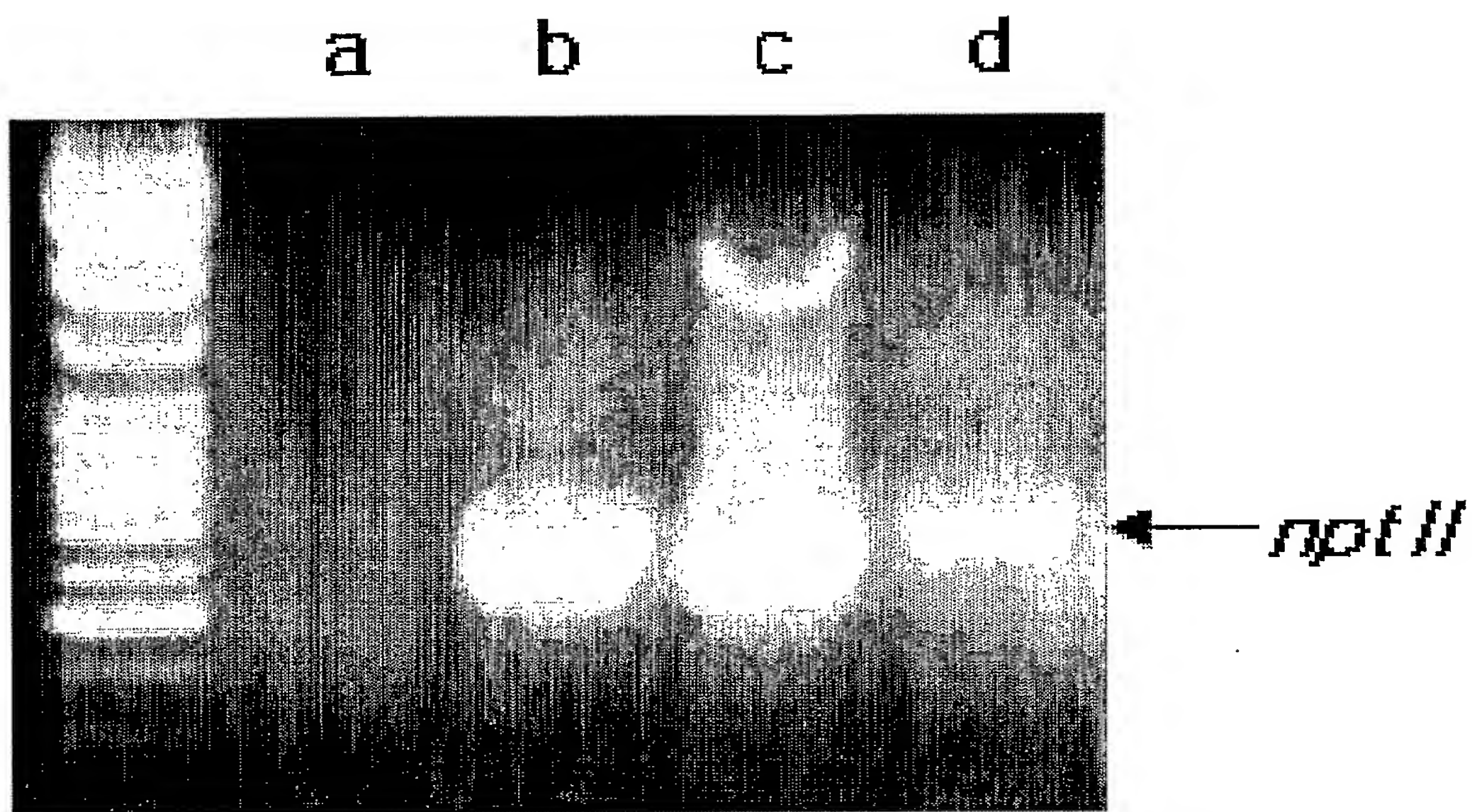
(b)  
Wild type      MdMADS14  
Anti-sense





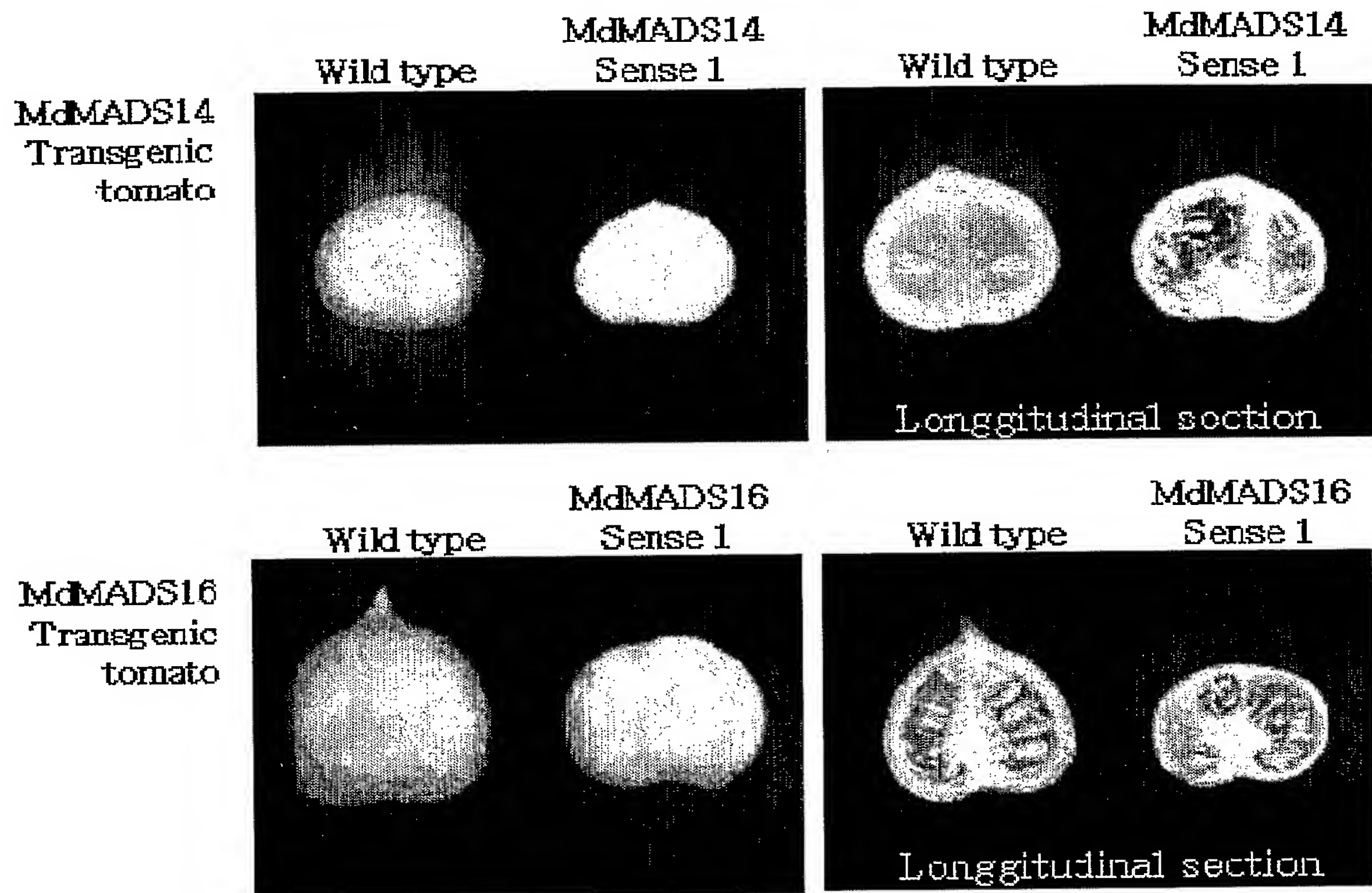
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FIG. 13



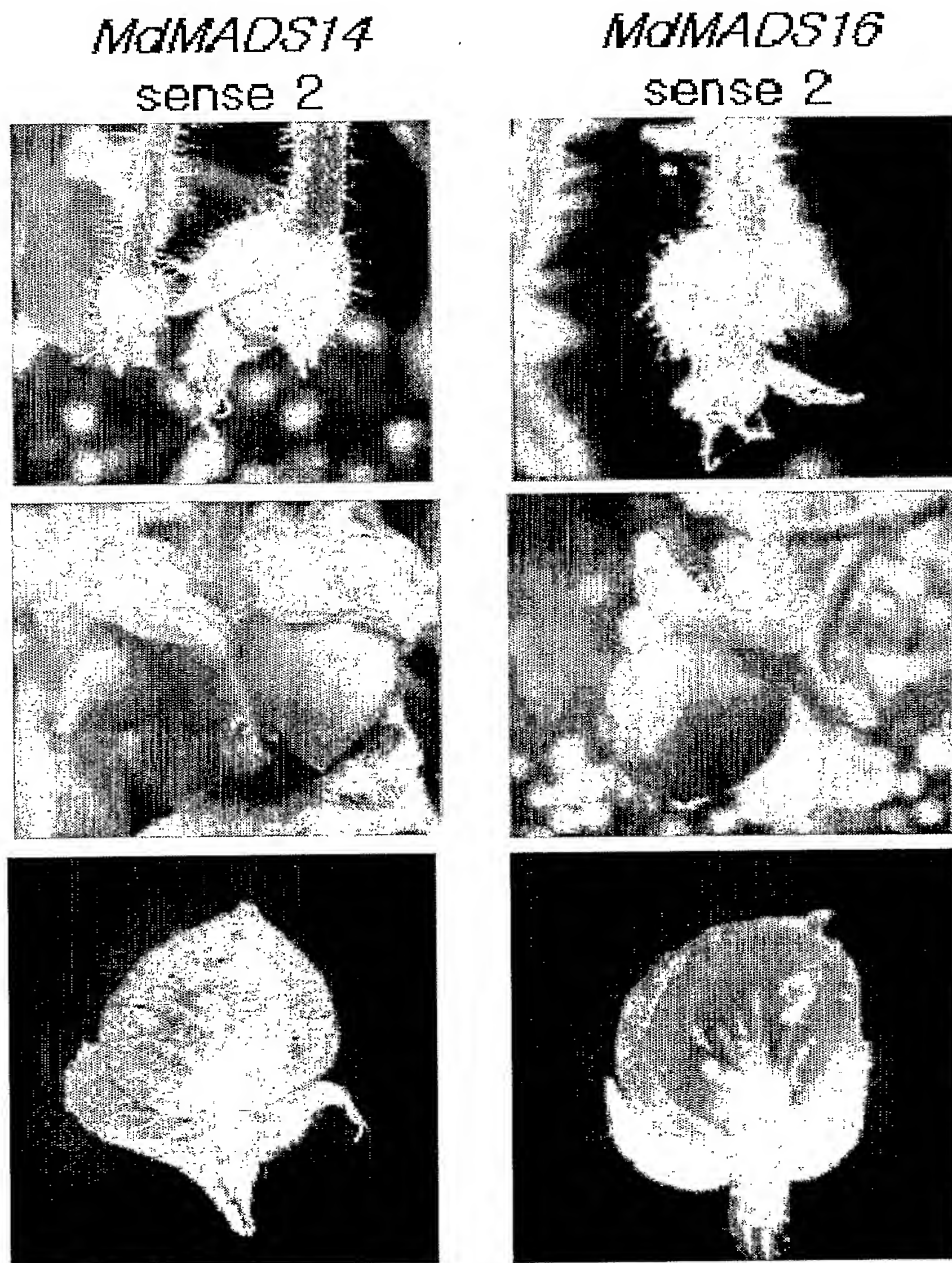
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FIG. 14



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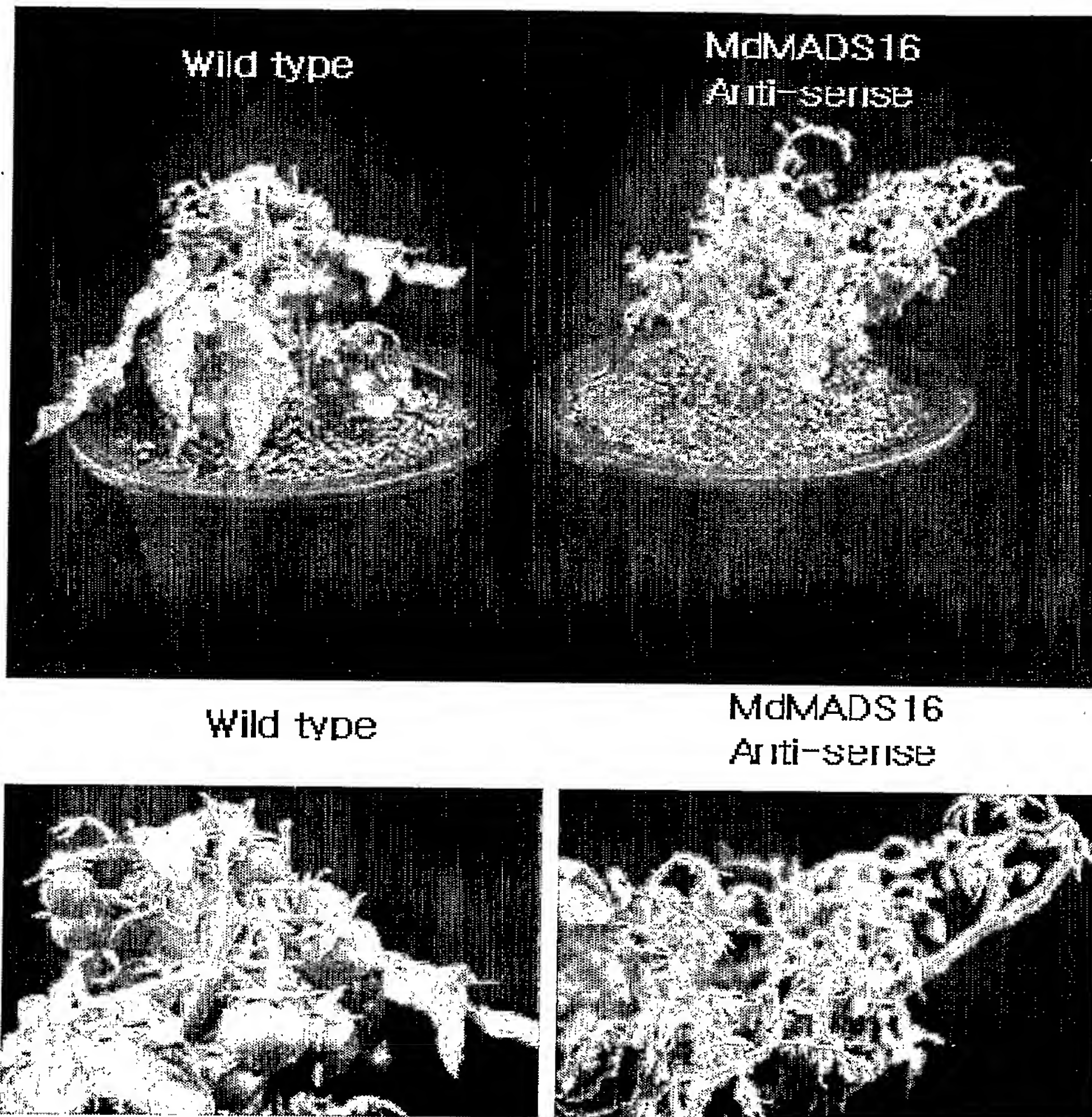
FIG. 15





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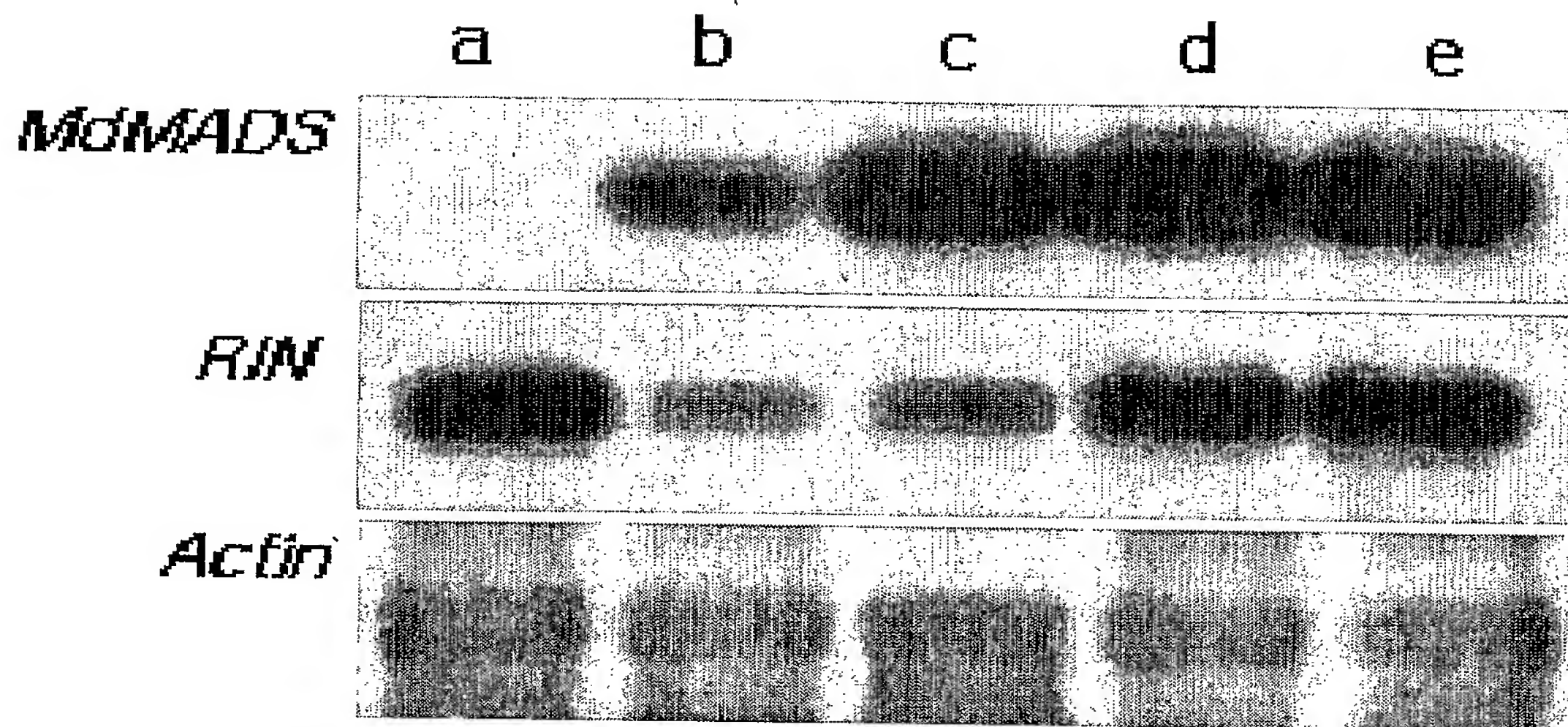
FIG. 16





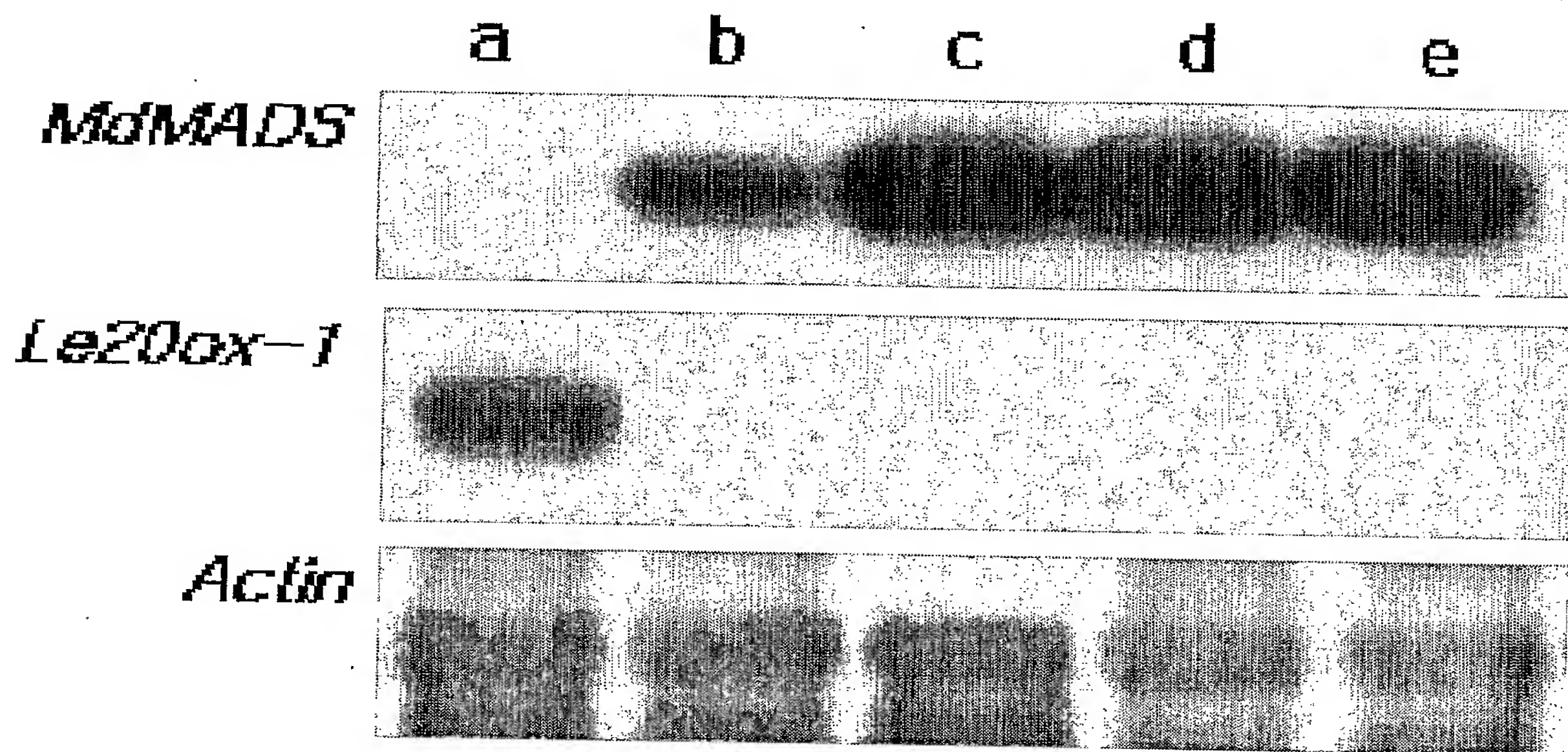
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FIG. 17



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FIG. 18



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FIG. 19

